

2.1
8/87

153345

REMOVAL ACTION PLAN
DEAD CREEK - SITE G
SAUGET, ILLINOIS

Prepared For:

U.S. Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois

CONTRACT NO. 68-01-7367

TAT-05-N-00012

TDD NO. 5-8703-11

Prepared By:

WESTON-SPER
Technical Assistance Team
Region V

August, 1987



River Center, 111 North Canal Street, 8th Floor, Suite 855,
Chicago, IL 60606 • (312) 993-1067

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

Mr. Michael Strimbu
Deputy Project Officer
Emergency Response Section
Western Response Unit
U.S. Environmental Protection Agency
11th Floor
230 South Dearborn Street
Chicago, Illinois 60604

August 11, 1987

TAT-05-G2-00117

Re: Dead Creek - Site G, Sauget, Illinois
TDD# 5-8703-11

Dear Mr. Strimbu:

On March 26, 1987, the U.S. Environmental Protection Agency (U.S. EPA) tasked the Technical Assistance Team (TAT) to conduct a site assessment (SA) at the Dead Creek - Site G area in Sauget, Illinois. The TAT was later requested by On-Scene Coordinator (OSC), Sheri Kamke to develop a removal action plan (RAP) for the site.


The TAT provided a draft copy of the cost estimates to the OSC on April 6, 1987. The attached SA/RAP presents costing for fencing, \$28,000.00, and capping of the site, \$557,000.00.

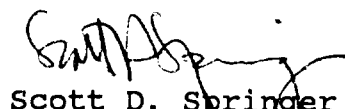
In early May, 1987, Monsanto, a potentially responsible party (PRP) indicated that they would fence the site to U.S. EPA specifications. TAT monitored the construction of the fence which was completed on May 13, 1987.

Should you have any questions or require additional information, please feel free to contact us.

Very truly yours,

ROY F. WESTON, INC.


Jeff Binkley
Environmental Scientist


Scott D. Springer
Technical Assistance Team
Leader, Region V

JB/ljs
Attachment

Roy F. Weston, Inc.

SPILL PREVENTION & EMERGENCY RESPONSE DIVISION

In Association with ICF Technology Inc., C.C. Johnson & Associates, Inc., Resource Applications, Inc.,
Geo/Resource Consultants, Inc., and Environmental Toxicology International, Inc.

1.0 SITE DESCRIPTION

Dead Creek - Site G (herein referred to as Site G) is an abandoned surface/subsurface disposal area covering approximately 4.5 acres in Sauget, Illinois (Figure 1).

Site G is located in a heavy industrial area with the nearest residential area approximately 1/2 mile to the south. The site is bordered on the east by Dead Creek; on the north by Queeny Avenue; on the west by Wiese Engineering Company; and, on the south by an agricultural field.

2.0 SITE BACKGROUND

Information concerning operators or owners of Site G at the time of disposal was unavailable. However, based on examination of historical aerial photographs, it has been estimated that excavation at Site G began sometime prior to 1950 and disposal operations were initiated shortly thereafter. The aerial photographs indicate that disposal activities continued through the early 1970's (Personal Communication, Dan Sewel, Ecology and Environment {E&E}, 1987).

In 1980-81, Site G was studied by the Illinois Environmental Protection Agency (IEPA) as part of an area-wide study to determine the source of contamination found in Dead Creek. During this study IEPA collected samples of subsurface soils and ground water. Analytical results of ground water samples indicated elevated levels of organic contaminants, PCBs, and heavy metals. Analytical data of the soil samples indicated the presence of elevated levels of metals, phosphorous and PCBs.

In December, 1985, Technos, Inc. of Miami, Florida, was contracted by E&E to conduct a geophysical investigation including magnetometry and electromagnetics. Anomalies were detected by both methods in several areas of the site indicating that a significant quantity of buried metals existed at the site.

E&E is currently conducting a Remedial Investigation/Feasibility Study (RI/FS) for the IEPA of an area surrounding Dead Creek. IEPA's goal is to generate data which will be used to increase the site's Hazardous Ranking Score. Soil samples collected at Site G during early stages of the RI/FS indicated elevated levels of three contaminants. Pentachlorophenol (PCP) was detected in concentrations as high as 0.14%. Nine surface soil samples contained PCBs at concentrations as high as 7.4%, and three surface soil samples showed octachlorodibenzo-dioxin present in concentrations up to 130 ppm. In March, 1987, the U.S. EPA was notified of the elevated levels of toxic materials at Site G which prompted the subsequent site assessment (SA).

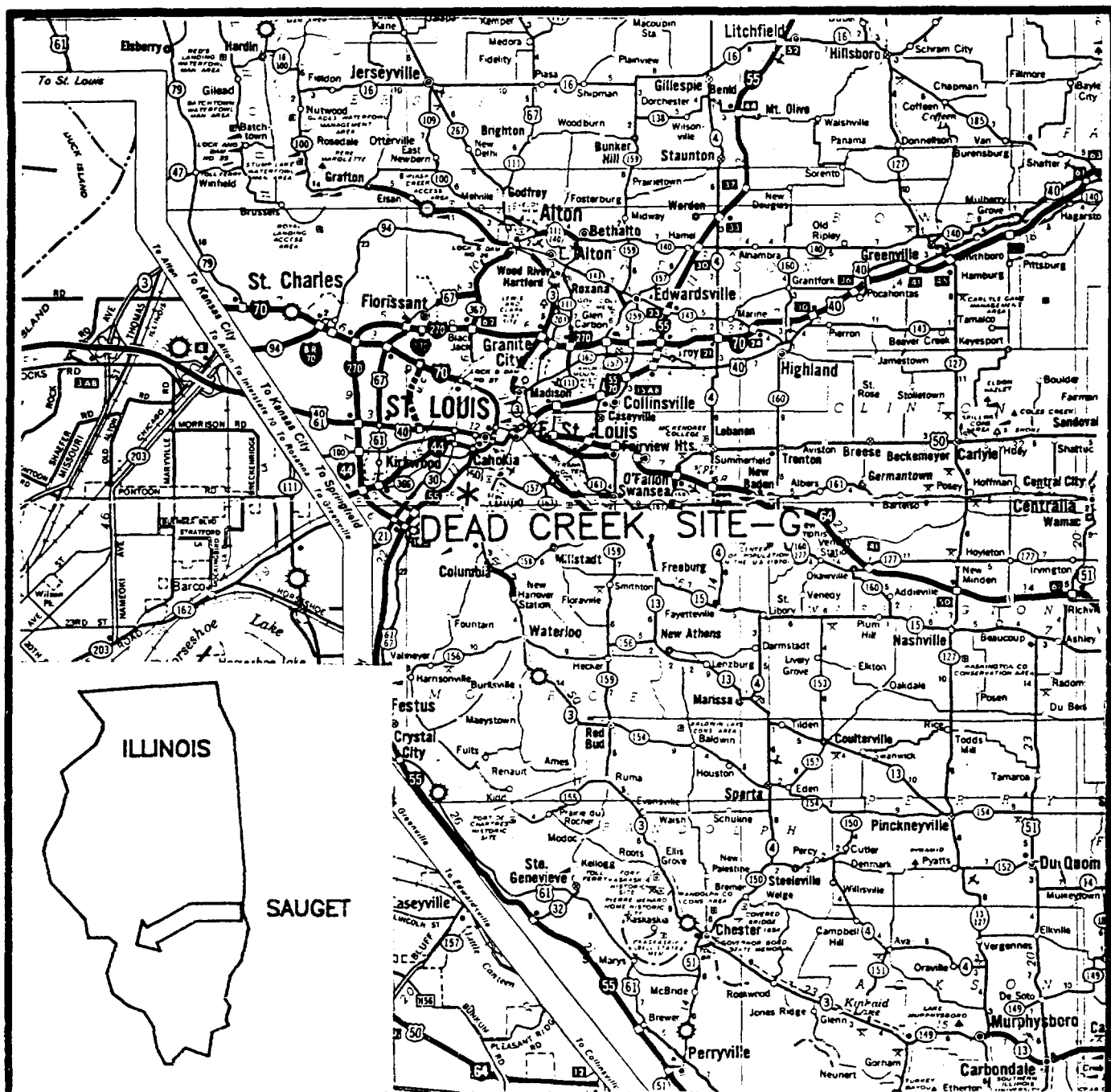


FIGURE 1

LOCATION MAP

DEAD CREEK, SITE-G

SAUGET, ILLINOIS

SCALE 1"=20 MILES

WESTON
DESIGNERS CONSULTANTS

DRAW. BY

J. Barkley

DATE

8/10/87

PCS #

1057

APPROVED

S.M.

DATE

8/11/87

TDD #

5-8703-11